

CONTENTS

(Abstracted/Indexed in: *Biol. Abstr.*, *CABS (Current Awareness in Biological Sciences)*, *Chem. Abstr.*, *Curr. Contents AB & ES*, *EH & S Digest*, *Environ. Period. Bibliogr.*, *Excerpta Med.*, *Focus On: Global Change*, *Geo Abstr.*, *Meteorol. & Geostrophys. Abstr.*, *Oceanogr. Lit. Rev.*, *PASCAL/CNRS*, *Selected Water Resour. Abstr.*)

Special Issue: Marine Mucilages, With Special Reference to Mucilage Events in the Northern Adriatic Sea, the Tyrrhenian Sea and the North Sea. Proceedings of an International Workshop on Marine Mucilage Phenomena, Cesenatico, Forlì, Italy, 10–12 September, 1992.

Presentation	1
Preface	3
Editorial	5
 Summary and conclusions of the workshop on marine mucilages in the Adriatic Sea and elsewhere M. Mingazzini, B. Thake	9
Who do sinking mucilage aggregates accumulate in the water column? A.L. Alldredge, K.M. Crocker	15
Observations on mucus aggregates along Sicilian coasts during 1991–1992 S. Calvo, R. Barone, L. Naselli Flores	23
Microbial activities and the transformation of organic matter within mucilaginous material A.W. Decho, G.J. Herndl	33
Changes in the northern Adriatic ecosystem and the hypertrophic appearance of gelatinous aggregates D. Degobbi, S. Fonda-Umani, P. Franco, A. Malej, R. Precali, N. Smolaka	43
Some speculations on the nature of the pelagic mucilage community of the northern Adriatic Sea G.E. Fogg	59
Hyperproduction of mucilages by micro and macro algae in the Tyrrhenian Sea M. Innamorati	65
The mucilage phenomenon in the continental coastal waters of the North Sea C. Lancelot	83
The characterization of algal and microbial mucilages and their aggregates in aquatic ecosystems G.G. Leppard	103
Application of spectrofluorimetric techniques to the study of marine mucilages in the Adriatic Sea: preliminary results M. Mingazzini, S. Colombo, G.M. Ferrari	133
Mucous aggregates under natural and laboratory conditions: a review M. Monti, C. Welker, G. Dellavalle, L. Casaretto, S. Fonda Umani	145
Release of extracellular products by phytoplankton with special emphasis on polysaccharides S.M. Myklestad	155
Mucilages in Italian seas: the Adriatic and Tyrrhenian Seas, 1988–1991 A. Rinaldi, R.A. Vollenweider, G. Montanari, C.R. Ferrari, A. Ghetti	165
Some observations about bacterial presence in seawater related to mucilaginous aggregates in the Northwest Adriatic Sea P. Serratore, A. Rinaldi, G. Montanari, A. Ghetti, C.R. Ferrari, R.A. Vollenweider	185

Fatty acids, chlorophylls and total silicon in mucilaginous aggregates collected in a coastal area of the Northern Adriatic Sea facing Emilia-Romagna in August 1988	
R. Viviani, L. Boni, O. Cattani, A. Milandri, M. Pirini, R. Poletti, M. Pompei	193
ASP, DSP, NSP and PSP monitoring in 'mucilaginous aggregates' and in mussels in a coastal area of the Northern Adriatic Sea facing Emilia-Romagna in 1988, 1989 and 1991	
R. Viviani, L. Boni, O. Cattani, A. Milandri, R. Poletti, M. Pompei, G. Sansoni	203
Statistical inferences about the mucilage events in the Adriatic Sea, with special reference to recurrence patterns and claimed relationship to sun activity cycles	
R.A. Vollenweider, G. Montanari, A. Rinaldi	213
Comments on some health and ecotoxicological features of Adriatic mucilages	
L. Volterra	225
Short note	
Mucilage appearances in Greek waters during 1982-1994	
O. Gotsis-Skretas	229
Author Index	231
Subject Index	233